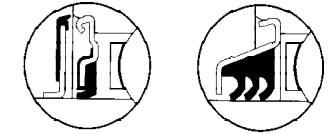
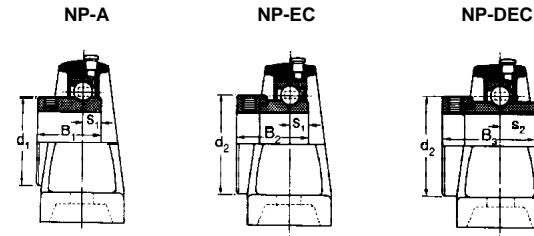
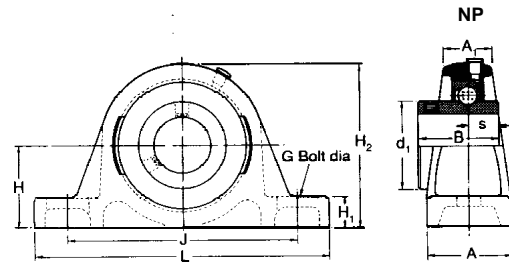


NP SERIES



Bearing inserts with flinger seals shown on pages 91 and 92 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. NP40FS.

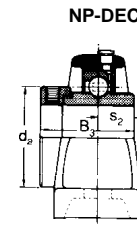
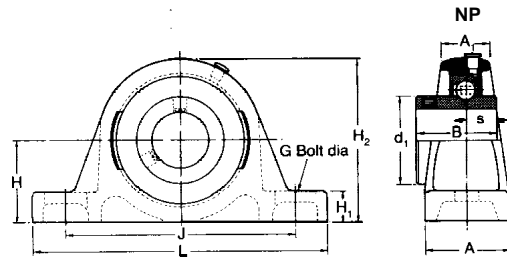
Triple seal bearing inserts shown on pages 88 to 90 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TNP25.

Shaft diameter	RHP designation				Basic bearing insert	Casting group	Dimensions				bolt centres							
							L	H	H ₁	H ₂	J _{max}	J _{min}						
mm inches					mm inches							ISO load ratings	Rec. max. speed	Mass (approx.)				
12 15 16 17 1/2 5/8	NP12 NP15 NP16 NP17 NP1/2 NP5/8				1017	1	126,5 4.980	30,20 1.189	14,2 -559	57,2 2.252	100,5 3.957	85,5 3.366						
20 3/4	NP20 NP3/4	NP20A NP3/4A	NP20EC NP3/4EC	NP20DEC NP3/4DEC	1020	2	127,0 5.000	33,30 1.311	14,0 -551	65,2 2.567	100,5 3.957	88,5 3.484						
25 7/8 15/16 1	NP25 NP7/8 NP15/16 NP1	NP25A NP1A	NP25EC NP7/8EC NP15/16EC NP1EC	NP25DEC NP7/8DEC NP15/16DEC NP1DEC	1025	3	139,0 5.472	36,50 1.437	16,0 -630	71,0 2.795	112,7 4.437	96,8 3.811						
30 1 1/8 1 3/16 1 1/4	NP30 NP1 1/8 NP13/16 NP1 1/4R	NP30A NP1 1/4A NP1 1/4AR	NP30EC NP1 1/8EC NP13/16EC NP1 1/4ECR	NP30DEC NP1 1/8DEC NP13/16DEC NP1 1/4DEC	1030	4	160,5 6.319	42,90 1.689	17,7 -697	82,7 3.256	129,5 5.098	108,5 4.272						
35 1 1/4 1 3/8 1 7/16	NP35 NP1 1/4 NP13/8 NP17/16	NP35A NP1 1/4A	NP35EC NP1 1/4EC NP13/8EC NP17/16EC	NP35DEC NP1 1/4DEC NP13/8DEC NP17/16DEC	1035	5	166,0 6.535	47,60 1.874	17,5 -689	93,0 3.661	136,5 5.374	121,5 4.783						
40 1 1/2	NP40 NP1 1/2	NP40A NP1 1/2A	NP40EC NP1 1/2EC	NP40DEC NP1 1/2DEC	1040	6	180,5 7.106	49,20 1.937	18,5 -728	98,5 3.878	148,0 5.827	127,0 5.000						
45 15/8 1 11/16 1 3/4	NP45 NP15/8 NP1 11/16 NP1 3/4	NP45A NP15/8A NP1 3/4A	NP45EC NP15/8EC NP1 11/16EC NP1 3/4EC	NP45DEC NP15/8DEC NP1 11/16DEC NP1 3/4DEC	1045	7	190,5 7.500	54,00 2.126	20,0 -787	108,0 4.252	154,5 6.083	140,5 5.531						
50 1 7/8 1 15/16 2	NP50 NP1 7/8 NP1 15/16 NP2R	NP50A NP1 7/8A NP1 15/16A	NP50EC NP1 7/8EC NP1 15/16EC	NP50DEC NP1 7/8DEC NP1 15/16DEC	1050	8	206,0 8.110	57,20 2.252	21,0 -827	115,2 4.535	163,0 6.417	154,0 6.063						
55 2 2 1/8 2 3/16	NP55 NP2 NP2 1/8 NP2 3/16			NP55DEC NP2DEC NP2 1/8DEC NP2 3/16DEC	1055	9	219,5 8.641	63,50 2.500	24,8 -976	129,5 5.098	178,5 7.028	162,5 6.398						
60 2 1/4 2 3/8 2 7/16	NP60 NP2 1/4 NP2 3/8 NP2 7/16			NP60DEC NP2 1/4DEC NP2 3/8DEC NP2 7/16DEC	1060	10	240,0 9.449	69,90 2.752	26,3 1.035	142,3 5.602	201,0 7.913	176,0 6.929						

G	A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	ISO load ratings dynamic C _r	ISO load ratings static C _{0r}	Rec. max. speed rev/min	Mass (approx.) kg lb
mm inches												newtons lbf	newtons lbf		
10 3/8	30,5 1.201	20,5 -807	27,38 1.078	-	28,54 1.124	-	11,55 -455	6,55 -258	-	24,21 -953	28,58 1.125	9550 2150	4760 1070	7000	0,5 1.0
10 3/8	32,5 1.280	22,5 -886	30,96 1.219	25,77 1.015	30,92 1.217	43,62 1.717	12,75 -502	7,56 -298	17,12 -674	28,50 1.122	33,30 1.311	12800 2880	6580 1480	6700	0,6 1.4
10 3/8	36,5 1.437	24,5 -965	34,11 1.343	27,35 1.077	30,92 1.217	44,40 1.748	14,32 -564	7,56 -298	17,49 -689	34,01 1.339	38,10 1.500	14000 3150	7880 1770	6250	0,7 1.5
12 1/2	41,5 1.634	27,5 1.083	38,10 1.500	31,21 1.229	35,68 1.405	48,42 1.906	15,93 -627	9,04 -356	18,32 -721	40,00 1.575	44,45 1.750	19500 4380	11300 2540	5300	1,3 2.9
12 1/2	44,5 1.752	30,5 1.201	42,88 1.688	34,90 1.374	38,88 1.531	51,18 2.015	17,53 -690	9,55 -376	18,89 -744	46,69 1.838	55,58 2.188	25700 5780	15300 3440	4500	1,7 3.8
12 1/2	51,0 2.008	34,5 1.358	49,23 1.938	41,18 1.621	43,64 1.718	56,34 2.218	19,10 -752	11,05 -435	21,46 -845	52,70 2.075	60,30 2.374	29100 6540	17900 4020	4000	2,1 4.6
12 1/2	54,0 2.126	35,0 1.378	49,23 1.938	41,18 1.621	43,64 1.718	56,34 2.218	19,10 -752	11,05 -435	21,46 -845	57,30 2.256	63,50 2.500	32500 7310	20500 4610	3700	2,8 6.2
16 5/8	55,0 2.165	36,0 1.417	51,59 2.031	43,54 1.714	43,64 1.718	62,70 2.469	19,10 -752	11,05 -435	24,65 -970	62,20 2.449	69,85 2.750	35000 7870	23200 5220	3400	3,2 7.1
16 5/8	60,0 2.362	39,5 1.555	55,55 2.187	-	-	71,44 2.813	22,28 -877	-	27,82 1.095	68,81 2.709	76,20 3.000	43500 9780	29200 6560	3100	4,0 8.8
16 5/8	70,0 2.756	46,0 1.811	65,07 2.562	-	-	77,82 3.064	25,45 1.002	-	31,02 1.221	75,34 2.966	84,12 3.312	52500 11800	35900 8070	2800	5,9 13.1

Please check availability

NP SERIES
(continued)



Shaft diameter		RHP designation	Basic bearing insert	Casting group	Dimensions				bolt centres		
					L	H	H ₁	H ₂	J max	J min	
mm	inches			mm inches							
65	2 1/2	NP65 NP2 1/2	NP65DEC NP2 1/2 DEC	1065	10/65	250,0 9.843	69,90 2.752	26,3 1.035	144,3 5.681	205,0 8.071	176,0 6.929
70	2 11/16	NP70 NP2 11/16	NP70DEC	1070	11	266,0 10.472	79,4 3.126	30,2 1.189	156,0 6.142	220,0 8.661	200,0 7.874
75	2 3/4 2 7/8 2 15/16 3	NP75 NP2 3/4 NP7 8 NP2 15/16 NP3	NP75DEC	1075	12	275,0 10.827	82,6 3.252	28,0 1.102	164,0 6.457	228,0 8.976	206,0 8.110
80	3	NP80 NP3L		1080	13	291,0 11.457	88,9 3.500	30,0 1.181	174,0 6.850	241,0 9.488	214,0 8.425
85	3 1/4 3 3/8	NP85 NP3 1/4 NP3 3/8		1085	14	310,0 12.205	95,2 3.748	32,0 1.260	187,0 7.362	262,0 10.315	232,0 9.134
90	3 7/16 3 1/2	NP90 NP3 7/16 NP3 1/2		1090	15	327,0 12.874	101,6 4.000	36,0 1.417	200,0 7.874	280,0 11.024	244,0 9.606

G	A	A ₁	B	B ₁	B ₂	B ₃	s	s ₁	s ₂	d ₁	d ₂	ISO load ratings		Rec. max. speed	Mass (approx.)	
												dynamic C _r	static C _{0r}			
mm	inches											newtons lbf	newtons lbf	rev/ min	kg lb	
16 5/8	70,0 2.756	45,0 1.772	65,07 2.562	-	-	-	77,82 3.064	25,45 1.002	-	31,02 1.221	82,40 3.244	87,33 3.438	57500 12930	40000 8990	2600	5,9 13.1
24 7/8	72,0 2.835	47,0 1.850	74,63 2.938	-	-	-	85,36 3.361	30,23 1.190	-	34,19 1.346	87,00 3.425	96,82 3.812	62000 13940	44000 9890	2450	8,0 17.6
24 7/8	74,0 2.913	48,0 1.890	77,77 3.062	-	-	-	91,72 3.611	33,37 1.314	-	37,37 1.471	92,00 3.622	101,60 4.000	66000 14840	49300 11080	2300	9,0 19.8
24 7/8	78,0 3.071	56,0 2.205	82,55 3.250	-	-	-	33,37 1.314	-	-	-	98,50 3.878	-	72500 16300	53000 11910	2150	9,7 21.4
24 7/8	83,0 3.268	56,0 2.205	85,72 3.375	-	-	-	34,18 1.346	-	-	-	106,02 4.174	-	83500 18770	63800 14340	2000	11,8 26.0
24 7/8	88,0 3.465	62,0 2.441	96,04 3.781	-	-	-	39,73 1.564	-	-	-	111,66 4.396	-	96000 21580	71500 17870	1900	14,7 32.4